

## ABSTRACT

A fan motor having a simple construction and a microwave oven equipped with the fan motor. The fan motor includes a stator, a rotor, a rotating shaft extending from both ends of the rotor, a support unit mounted to a front of the stator, and a bearing inserted in a through hole of the support unit. The bearing forwardly extends from the support unit, and is set into a boss mounted to a rear of the support unit. A stopper in front of the bearing fits over an insert groove formed at an outer surface of the rotating shaft, and is stopped by a front end of the bearing, preventing the rotating shaft from being rearwardly removed from the stator. A blowing fan mounted to a front end of the rotating shaft cools electrical devices and ventilates a cooking cavity of the microwave oven.